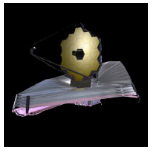

6012 - Finding the great sculptors: A Renaissance in Planet Disk Dynamics

Cycle: 3, Proposal Category: GO

INVESTIGATORS

Name	***Institution***
Dr. Maxwell Andrew Millar-Blanchaer (PI)	**University of California - Santa Barbara**
Dr. Elodie Choquet (CoI) (ESA Member)	CNRS, Laboratoire d'Astrophysique de Marseille
Dr. Tim Pearce (CoI) (ESA Member)	University of Warwick
Dr. Sasha Hinkley (CoI) (ESA Member)	University of Exeter
Dr. Shrishmoy Ray (CoI)	University of Queensland
Dr. Aarynn L Carter (CoI)	Space Telescope Science Institute
Dr. Jarron Leisenring (CoI)	University of Arizona
Julien Girard (CoI)	Space Telescope Science Institute
Dr. Arthur Vigan (CoI) (ESA Member)	CNRS, Laboratoire d'Astrophysique de Marseille
Mr. Connor James Vancil (CoI)	University of California - Santa Barbara
Nico Godoy (CoI) (ESA Member)	CNRS, Laboratoire d'Astrophysique de Marseille
Lisa Altinier (CoI) (ESA Member)	CNRS, Laboratoire d'Astrophysique de Marseille
Dr. Bruce A. Macintosh (CoI)	University of California - Santa Cruz
Dr. Robert J De Rosa (CoI) (ESA Member)	European Southern Observatory - Chile

OBSERVATIONS

Folder	***Observation***	***Label***	***Observing Template***	***Science Target***
CPD 72 2713				
	101	CPD 72 2713 NIRCam Coronagraph Roll 1 (Obs 101) of JWST Draft Proposal	NIRCam Coronagraphic Imaging	(101) CPD-72-2713

Folder	Observation	Label	Observing Template	Science Target
	102	CPD 72 2713 NIRCam Coronagraph Roll 2 (Obs 102) of JWST Draft Proposal	NIRCam Coronagraphic Imaging	(101) CPD-72-2713
	103	CPD 72 2713 PSF NIRCam Coronagraph (Obs 103) of JWST Draft Proposal	NIRCam Coronagraphic Imaging	(102) CPD-72-2713-PSF
HD 111631				
	144	HD 111631 NIRCam Imaging Roll 1	NIRCam Imaging	(103) HD-111631
	145	HD 111631 NIRCam Imaging Roll 2	NIRCam Imaging	(103) HD-111631
	152	Residual Persistence Check	NIRCam Dark	NONE
HD 128311				
	146	HD 128311 NIRCam Imaging Roll1	NIRCam Imaging	(105) HD-128311
	147	HD 128311 NIRCam Imaging Roll 2	NIRCam Imaging	(105) HD-128311
	153	Residual Persistence Check	NIRCam Dark	NONE
HD 22049				
	148	HD 22049 NIRCam Imaging Roll1 - Offset 1	NIRCam Imaging	(107) HD-22049
	149	HD 22049 NIRCam Imaging Roll 2 - Offset 1	NIRCam Imaging	(107) HD-22049
	154	HD 22049 NIRCam Imaging Roll1 - Offset 2	NIRCam Imaging	(107) HD-22049
	155	HD 22049 NIRCam Imaging Roll 2 - Offset 2	NIRCam Imaging	(107) HD-22049
HD 3670				
	113	HD 3670 NIRCam Coronagraph Roll 1 (Obs 113) of JWST Proposal	NIRCam Coronagraphic Imaging	(109) HD-3670

Folder	Observation	Label	Observing Template	Science Target
	114	HD 3670 NIRCam Coronagraph Roll 2 (Obs 114) of JWST Proposal	NIRCam Coronagraphic Imaging	(109) HD-3670
	115	HD 3670 PSF NIRCam Coronagraph (Obs 115) of JWST Proposal	NIRCam Coronagraphic Imaging	(110) HD-3670-PSF
HD 10008				
	116	HD 10008 NIRCam Coronagraph Roll 1 (Obs 116) of JWST Proposal	NIRCam Coronagraphic Imaging	(111) HD-10008
	117	HD 10008 NIRCam Coronagraph Roll 2 (Obs 117) of JWST Proposal	NIRCam Coronagraphic Imaging	(111) HD-10008
	118	HD 10008 PSF NIRCam Coronagraphh (Obs 118) of JWST Proposal	NIRCam Coronagraphic Imaging	(130) HD-10008-PSF-v2
HD 113556				
	119	HD 113556 NIRCam Coronagraph Roll 1 (Obs 119) of JWST Proposal	NIRCam Coronagraphic Imaging	(113) HD-113556
	120	HD 113556 NIRCam Coronagraph Roll 2 (Obs 120) of JWST Proposal	NIRCam Coronagraphic Imaging	(113) HD-113556
	121	HD 113556 PSF NIRCam Coronagraph (Obs 121) of JWST Proposal	NIRCam Coronagraphic Imaging	(132) HD-113556-PSF_V2
HD 13246				
	122	HD 13246 NIRCam Coronagraph Roll 1 (Obs 122) of JWST Proposal	NIRCam Coronagraphic Imaging	(115) HD-13246
	123	HD 13246 NIRCam Coronagraph Roll 2 (Obs 123) of JWST Proposal	NIRCam Coronagraphic Imaging	(115) HD-13246
	124	HD 13246 NIRCam PSF Coronagraph (Obs 124) of JWST Proposal	NIRCam Coronagraphic Imaging	(129) HD13246-and-HD10472-PSF
HD 30447				

Folder	*Observation*	*Label*	*Observing Template*	*Science Target*
	125	HD 30447 NIRCam Coronagraph Roll 1 (Obs 125) of JWST Proposal	NIRCam Coronagraphic Imaging	(117) HD-30447
	126	HD 30447 NIRCam Coronagraph Roll 2 (Obs 126) of JWST Proposal	NIRCam Coronagraphic Imaging	(117) HD-30447
	127	HD 30447 PSF NIRCam Coronagraph (Obs 127) of JWST Proposal	NIRCam Coronagraphic Imaging	(118) HD-30447-PSF
HD 10472				
	128	HD 10472 NIRCam Coronagraph Roll 1 (Obs 128) of JWST Proposal	NIRCam Coronagraphic Imaging	(119) HD-10472
	129	HD 10472 NIRCam Coronagraph Roll 2 (Obs 129) of JWST Proposal	NIRCam Coronagraphic Imaging	(119) HD-10472
HD 126062				
	131	HD 126062 NIRCam Coronagraph Roll 1 (Obs 131) of JWST Proposal	NIRCam Coronagraphic Imaging	(120) HD-126062
	132	HD 126062 NIRCam Coronagraph Roll 2 (Obs 132) of JWST Proposal	NIRCam Coronagraphic Imaging	(120) HD-126062
	133	HD 126062 PSF NIRCam Coronagraph (Obs 133) of JWST Proposal	NIRCam Coronagraphic Imaging	(133) HD-126062-PSF_V2
HD 145964				
	134	HD 145964 NIRCam Coronagraph Roll 1 (Obs 134) of JWST Proposal	NIRCam Coronagraphic Imaging	(122) HD-145964
	135	HD 145964 NIRCam Coronagraph Roll 2 (Obs 135) of JWST Proposal	NIRCam Coronagraphic Imaging	(122) HD-145964
	136	HD 145964 PSF NIRCam Coronagraph (Obs 136) of JWST Proposal	NIRCam Coronagraphic Imaging	(123) HD-145964-PSF
HD 38206				

Folder	***Observation***	***Label***	***Observing Template***	***Science Target***
	140	HD 38206 NIRCam Coronagraph Roll 2 (Obs 140) of JWST Proposal	NIRCam Coronagraphic Imaging	(126) HD-38206
	150	HD 38206 NIRCam Coronagraph Roll 2 (Copy of Obs 140) of JWST Proposal	NIRCam Coronagraphic Imaging	(126) HD-38206
	141	HD 38206 NIRCam Coronagraph Roll 1 (Obs 141) of JWST Proposal	NIRCam Coronagraphic Imaging	(126) HD-38206
	142	HD 38206 PSF NIRCam Coronagraph (Obs 142) of JWST Proposal	NIRCam Coronagraphic Imaging	(127) HD-38206-PSF
	151	HD 38206 PSF NIRCam Coronagraph (Copy of Obs 142) of JWST Proposal	NIRCam Coronagraphic Imaging	(127) HD-38206-PSF

ABSTRACT

Understanding the origins and evolution of planetary systems is one of the major goals of modern exoplanetary science. In the outer regions of planetary systems, disks of planetesimals have long been thought to retain evidence of the evolution of giant planet imprinted in their morphologies though secular resonances. This is well observed in the solar system, with Neptune shepherding the bodies in the Kuiper belt, and with the planet's resonances defining the belt inner and outer edges. Such intricate interactions are however much less obvious in extrasolar systems. While both giant long-period planets and debris disks are common around other stars, very few have been observed together, leaving the role of exoplanets in sculpting outer these disks. Despite ample observational evidence of debris disks being carved by inner planets (SED, ALMA and coronagraphic images), and despite multiple dynamical models explaining their morphologies by planet stirring, we are still missing a conclusive demographic study for such sculptor planets. A recent comprehensive dynamical study of 178 debris disks found that the large majority of sculpting planets should be less massive than Jupiter. This is well below the detection limits of ground-based high-contrast imagers, explaining the low number of exoplanets detected in disk systems to date. JWST's sensitivity at 4microns will for the first time enable us to carry out a systematic survey to measure the occurence of disk-sculpting planets. We have identified the 13 systems with predicted mass and semi-major axis detectable with NIRCam, and we propose to measure the real occurence of disk-sculpting planets from this well-defined sample.

OBSERVING DESCRIPTION

We will use two primary observing modes: i) coronagraphic observations that include two roll positions and a reference star observation for close-in companions (< 3”) where instrumental speckles are a limiting noise factor, and ii) standard imaging observations with two roll positions for the further out companions that are background limited. Of our 13 targets, 10 of them will be observed in coronagraphic imaging mode, where the planet to star contrasts at the predicted separations necessitate a coronagraph. We simulated the coronagraphic performance of NIRCam using the pyNRC instrument simulator, which has been validated against on-sky performance (Jarron Leisenring, priv. commu.). After testing the sensitivity of several different filters combined with planet evolutionary models, we found that F444W was consistently the best filter for coronagraphic planet detection. We will use an angular differential imaging (ADI) plus reference star differential imaging (RDI) strategy, with each star having its own PSF star. The broad range of spectral types in our program justify individual reference stars, rather than considering a self-referencing PSF-subtraction survey. Angular differential imaging will be used to overcome bad pixels and other detector effects. At the recommendation from the NIRCam Coronagraph team we picked detector read-modes (and hence exposure times) that provide a SNR of 40 above the background-limited noise floor for each planet minimum mass.

Three of our targets have planets predicted to be outside of 5”. For those, we will observe in the standard NIRCam imaging mode, where the throughputs are higher and we can get better sensitivities in the background limit. Here we will only use two rolls, and no RDI, as it only provides significant gains at small angular separations (Carter et al., 2022). These stars will saturate the detector at the inner regions of our subarrays, but only at separations inside of our expected planets. For these targets we will use medium-band filters (F210M and F480M) to cut down on backgrounds and reduce saturation. We have optimized our read patterns to minimize saturation as much as possible without significantly affecting total observing overheads.

Background contaminant vetting – We will screen for background contaminants using the F200W filter in parallel with our F444W observations, where possible. Planets at our ages and masses have F200W – F444W > 5 mag, as compared to galactic O through M stars that have F200W – F444W < 1 mag, a color contrast that we achieve outside 1” for all coronagraphic targets. The F200W and F444W SUB320 simultaneous fields of view overlap enough to allow for parallel observations for the close-in (i.e. coronagraphic) targets. For the targets where a larger field is required (far more likely to have contaminants), we will obtain simultaneous full-frame images in both bands, where we can achieve a color difference of F210M – F480M 2.5 mag outside of 5” (where we expect all the the planets). Sources are this separation can easily be confirmed as background sources from the ground. All of the disks we are observing are faint enough that we don’t expect to detect the disks themselves.

June 28, 2024 APT Updates:
- Removed "Sequence" from SRs
- Adjusted Readout modes for CPD 72-2713 and HD 145964 (and refs)
- Adjusted TA Readout modes for CPD 72-2713 and HD 145964 (and refs)
- Added SR: Offsets (-0.006, -0.012)
- Re-entered the Proper Motion for CPD 72-2713 and HD 145964 (and refs)

July 5 2024 APT Updates:
- Adjusted TA Readout modes for HD 13246 (Obs 122 and 123) and reference (Obs 124). Note: The reference is now a different (slightly brighter star).
- Adjusted TA Readout modes for HD 10472 (Obts 128,129)
- Adjusted Readout modes for HD 13246, HD 10472 and the refs (Obs 122, 123, 124, 128, 129)
- Re-enetered the porper motion for HD 13246, HD 10472 and phi Eri
- Added SR: Offsets(-0.006, -0.012) for HD 13246, HD 10472 and phi Eri
- Reduced Reference star dithers to 5

July 8 2024 Update:
- Changed TA mode to 'bright' for Obs 122, 123, 128 and 129

July 26 2024 Update:
- Swapped reference stars for HD 10008 (the original one was entered by error).
- Adjusted Readout modes for HD 10008 and its new reference (Obs 116, 117, 118)
- Reduced Reference star dithers to 5

July 31 2024 Update:
- Adjusted TA parameters for Obs 116, 117, 118
- Added SR: Offsets (-0.006, -0.012) for Obs. 116, 117, 118

- Added parallax for science target HD 10008

Aug 21 2024 Update:
- Adjust TA parameters for Obs 113, 114, 115
- Added SR Offsets (-0.006, -0.012) for Obs. 113, 114, 115
- Adjusted Readout modes for HD 3670 and its reference (113, 114, 115) to better match their maximum well fraction and to get >5 integrations.
- Adjusted proper motion of HD 3670 and its reference. Added their parallaxes.

Aug 23 2024 Update:
- Actually updating TA parameters for 115

Oct. 31 2024 Update:
- Updated TA readout parameters for Obs 125-127.
- Added Offset for MASK335R

Nov. 5 2024 Update:
- Updated TA readout parameters again for Obs. 125-127, to use the ND squares to avoid saturation in coro images.

Dec. 26 2024 Update:
- Updated Coronagraph Offset for Obs. 140-142
- Updated TA readout parameters for Obs. 140-142
- Adjusted readout patterns of science and reference to increase number of integrations (> 5-10 integrations). Rebalanced dithers in reference vs. science exposure time.

Apr 3 2025 Update:
- Added Obs 150 and 151 as replacements for Obs 140 and 142 (WOPR approved).

Apr 3 2025 Update 2:
- Adjusted readout modes for 144/145 and 146/147.

- Added TA offsets for 119-121 and 133-135. Adjusted readout details a bit.
- Updated proper motion for 119-121
- Swapped out PSF reference stars for 119-121 and 133-135 (better matched to targets and well vetted)

Apr 4 2025:

- Adjusted readout for 146/147 to reduce data volume
- Added detector offsets to 144,145, 146, 147: (x,y) = (-12.4736, -10.7338)

Apr 4 2025 Update 2:

- Added "Sequence" to 144/145 and 146/147.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(101)	CPD-72-2713	RA: 22 42 49.2463 (340.7051929d) Dec: -71 42 22.01 (-71.70611d) Equinox: J2000	Proper Motion RA: 94.854 mas/yr Proper Motion Dec: -52.384 mas/yr Epoch of Position: 2015.5	
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=Star Description=[K dwarfs]				
(102)	CPD-72-2713-PSF	RA: 22 15 17.1612 (333.8215050d) Dec: -70 39 11.65 (-70.65324d) Equinox: J2000	Proper Motion RA: 31.583 mas/yr Proper Motion Dec: -51.922 mas/yr Epoch of Position: 2015.5	
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=Star Description=[K giants]				
(103)	HD-111631	RA: 12 50 43.5360 (192.6814000d) Dec: -00 46 11.42 (-.76984d) Equinox: J2000	Proper Motion RA: -0.001991579769489764 sec of time/yr Proper Motion Dec: -0.3970020000679142 arcsec/yr Epoch of Position: 2015.5	
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=Star Description=[M dwarfs]				
(105)	HD-128311	RA: 14 36 0.7750 (219.0032292d) Dec: +09 44 43.57 (9.74544d) Equinox: J2000	Proper Motion RA: 0.013854121295578704 sec of time/yr Proper Motion Dec: -0.2504570000610329 arcsec/yr Epoch of Position: 2015.5	
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=Star Description=[K dwarfs]				
(107)	HD-22049	RA: 03 32 54.8234 (53.2284308d) Dec: -09 27 29.42 (-9.45817d) Equinox: J2000	Proper Motion RA: -0.06587944287289667 sec of time/yr Proper Motion Dec: 0.020876000000000002 arcsec/yr Epoch of Position: 2015.5	
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=Star Description=[K dwarfs]				
(109)	HD-3670	RA: 00 38 56.8086 (9.7367025d) Dec: -52 32 3.81 (-52.53439d) Equinox: J2000	Proper Motion RA: 62.158 mas/yr Proper Motion Dec: -27.276 mas/yr Parallax: 0.0129756" Epoch of Position: 2015.5	
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=Star Description=[F dwarfs]				
(110)	HD-3670-PSF	RA: 00 35 41.2473 (8.9218637d) Dec: -48 00 4.84 (-48.00134d) Equinox: J2000	Proper Motion RA: 46.542 mas/yr Proper Motion Dec: -101.536 mas/yr Parallax: 0.0284456" Epoch of Position: 2015.5	
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=Star Description=[F dwarfs]				

(111)	HD-10008	RA: 01 37 35.6455 (24.3985229d) Dec: -06 45 39.05 (-6.76085d) Equinox: J2000	Proper Motion RA: 0.011533401122186397 sec of time/yr Proper Motion Dec: -0.09814499999265536 arcsec/yr Parallax: 0.0415636" Epoch of Position: 2015.5
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=Star Description=[K dwarfs]			
(112)	HD-10008-PSF	RA: 00 18 47.9099 (4.6996246d) Dec: +68 30 0.72 (68.50020d) Equinox: J2000	Proper Motion RA: -0.0037233493879931007 sec of time/yr Proper Motion Dec: 0.013782 arcsec/yr Epoch of Position: 2015.5
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=Star Description=[K stars]			
(113)	HD-113556	RA: 13 05 32.5254 (196.3855225d) Dec: -58 32 8.22 (-58.53562d) Equinox: J2000	Proper Motion RA: -39.615 mas/yr Proper Motion Dec: -16.628 mas/yr Epoch of Position: 2015.5
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=Star Description=[F dwarfs]			
(114)	HD-113556-PSF	RA: 12 54 18.2386 (193.5759942d) Dec: -62 35 52.43 (-62.59790d) Equinox: J2000	Proper Motion RA: -11.268 mas/yr Proper Motion Dec: -1.762 mas/yr Epoch of Position: 2015.5
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=Star Description=[F stars]			
(115)	HD-13246	RA: 02 07 26.3148 (31.8596450d) Dec: -59 40 46.23 (-59.67951d) Equinox: J2000	Proper Motion RA: 92.683 mas/yr Proper Motion Dec: -18.401 mas/yr Epoch of Position: 2015.5
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=Star Description=[F dwarfs]			
(116)	HD-13246-PSF	RA: 02 21 44.7993 (35.4366638d) Dec: -68 39 33.86 (-68.65941d) Equinox: J2000	Proper Motion RA: -0.009232104139466917 sec of time/yr Proper Motion Dec: 0.003214 arcsec/yr Epoch of Position: 2015.5
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Also HD 10472 PSF NOTE: This is a potentially a resolved binary and shouldn't be used. Category=Star Description=[A dwarfs]			
(117)	HD-30447	RA: 04 46 49.5675 (71.7065312d) Dec: -26 18 8.93 (-26.30248d) Equinox: J2000	Proper Motion RA: 0.002508438921108025 sec of time/yr Proper Motion Dec: -0.005071999908068392 arcsec/yr Epoch of Position: 2015.5
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=Star Description=[F dwarfs]			

(118)	HD-30447-PSF	RA: 04 35 17.7583 (68.8239929d) Dec: -24 31 58.66 (-24.53296d) Equinox: J2000	Proper Motion RA: 88.029 mas/yr Proper Motion Dec: 0.580 mas/yr Epoch of Position: 2000
Comments: Category=Star Description=[F stars]			
(119)	HD-10472	RA: 01 40 24.1953 (25.1008137d) Dec: -60 59 56.79 (-60.99911d) Equinox: J2000	Proper Motion RA: 60.882 mas/yr Proper Motion Dec: -10.275 mas/yr Epoch of Position: 2015.5
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=Star Description=[F dwarfs, F subgiants]			
(120)	HD-126062	RA: 14 24 36.9640 (216.1540167d) Dec: -47 10 40.21 (-47.17784d) Equinox: J2000	Proper Motion RA: -0.002335846317444379 sec of time/yr Proper Motion Dec: -0.02231399996617256 arcsec/yr Epoch of Position: 2015.5
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=Star Description=[A dwarfs]			
(121)	HD-126062-PSF	RA: 14 20 42.6367 (215.1776529d) Dec: -45 11 14.55 (-45.18737d) Equinox: J2000	Proper Motion RA: 0.0035473423559370704 sec of time/yr Proper Motion Dec: -0.07380599995485682 arcsec/yr Epoch of Position: 2015.5
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=Star Description=[F subgiants]			
(122)	HD-145964	RA: 16 14 28.8638 (243.6202658d) Dec: -21 06 27.96 (-21.10777d) Equinox: J2000	Proper Motion RA: -17.114 mas/yr Proper Motion Dec: -30.199 mas/yr Epoch of Position: 2015.5
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=Star Description=[B dwarfs]			
(123)	HD-145964-PSF	RA: 16 27 1.4297 (246.7559571d) Dec: -18 27 22.85 (-18.45635d) Equinox: J2000	Proper Motion RA: -5.378 mas/yr Proper Motion Dec: -22.308 mas/yr Epoch of Position: 2015.5
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=Star Description=[B dwarfs]			
(126)	HD-38206	RA: 05 43 21.6920 (85.8403833d) Dec: -18 33 27.12 (-18.55753d) Equinox: J2000	Proper Motion RA: 0.001362300061343762 sec of time/yr Proper Motion Dec: -0.013423999985207047 arcsec/yr Epoch of Position: 2015.5
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=Star Description=[A dwarfs]			

(127)	HD-38206-PSF	RA: 05 01 25.6212 (75.3567550d) Dec: -20 03 7.15 (-20.05199d) Equinox: J2000	Proper Motion RA: 0.002620730322125776 sec of time/yr Proper Motion Dec: -0.015403999918817135 arcsec/yr Epoch of Position: 2015.5
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. Category=Star Description=[B dwarfs]			
(129)	HD13246-and-HD10472-PSF	RA: 02 16 30.5861 (34.1274421d) Dec: -51 30 43.79 (-51.51216d) Equinox: J2000	Proper Motion RA: 91.975 mas/yr Proper Motion Dec: -22.503 mas/yr Parallax: 0.0216862" Epoch of Position: 2000
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=Star Description=[B stars]			
(130)	HD-10008-PSF-v2	RA: 01 05 25.4452 (16.3560217d) Dec: -12 54 12.09 (-12.90336d) Equinox: J2000	Proper Motion RA: 63.105999999999995 mas/yr Proper Motion Dec: 50.078 mas/yr Parallax: 0.0041496000000000001" Epoch of Position: 2000
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=Star Description=[G dwarfs] Extended=NO			
(132)	HD-113556-PSF_V2	RA: 12 11 58.8281 (182.9951171d) Dec: -50 46 12.53 (-50.77015d) Equinox: J2000	Proper Motion RA: -34.992 mas/yr Proper Motion Dec: -10.983999936797773 mas/yr Parallax: 0.0089855" Epoch of Position: 2000
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=Star Description=[F stars]			
(133)	HD-126062-PSF_V2	RA: 14 50 58.7065 (222.7446104d) Dec: -42 49 21.06 (-42.82252d) Equinox: J2000	Proper Motion RA: -20.111 mas/yr Proper Motion Dec: -23.438000084752275 mas/yr Parallax: 0.0069562" Epoch of Position: 2000
Comments: This object was generated by the targetselector and retrieved from the SIMBAD database. SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM. Category=Star Description=[A stars]			

Observation

Proposal 6012, Observation 101: CPD 72 2713 NIRCam Coronagraph Roll 1 (Obs 101) of JWST Draft Proposal

Thu Aug 28 15:00:11 GMT 2025

Diagnostic Status: Warning

Observing Template: NIRCam Coronagraphic Imaging

Diagnostics

(CPD 72 2713 NIRCam Coronagraph Roll 1 (Obs 101) of JWST Draft Proposal (Obs 101)) Warning (Form): Specified offset will be added to offset from Coronagraphic Offsets file in the SOC PRD

(Visit 101:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

(CPD 72 2713 NIRCam Coronagraph Roll 1 (Obs 101) of JWST Draft Proposal (Obs 101)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(101)	CPD-72-2713	RA: 22 42 49.2463 (340.7051929d)	Proper Motion RA: 94.854 mas/yr	
		Dec: -71 42 22.01 (-71.70611d)	Proper Motion Dec: -52.384 mas/yr	
		Equinox: J2000	Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K dwarfs]

Acquisition

#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID
1	SAME	F335M	BRIGHT (ND Square)	DEEP2	65	1	1	64.358	146051.3

Template

Module	Occulting Mask	Obtain Astrometric Confirmation Images?	Subarray	Dither Pattern
A	MASK335R	true	SUB320A335R	NONE

Confirmation

#	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time	Conf. Total Dithers
1	RAPID	3	2	2	75.157	1

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	Optional ETC ID
1	F210M	F444W	DEEP8	7	5	1	5	689.633	

PSF References	CPD 72 2713 PSF NIRCam Coronagraph (Obs 103) of JWST Draft Proposal (Obs 103) (PSF Reference; Filters [F210M/F444W]) Additional Justification: false
Special Requirements	Offset -0.006 arcsec, -0.012 arcsec No Parallel Attachments Group Observations 101, 102, 103, Non-interruptible Aperture PA Offset 102 from 101 by 9 to 14 Degrees (Same offsets in V3)

Observation

Proposal 6012, Observation 102: CPD 72 2713 NIRCam Coronagraph Roll 2 (Obs 102) of JWST Draft Proposal

Thu Aug 28 15:00:11 GMT 2025

Diagnostic Status: Warning

Observing Template: NIRCam Coronagraphic Imaging

Diagnostics

(CPD 72 2713 NIRCam Coronagraph Roll 2 (Obs 102) of JWST Draft Proposal (Obs 102)) Warning (Form): Specified offset will be added to offset from Coronagraphic Offsets file in the SOC PRD

(Visit 102:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

(CPD 72 2713 NIRCam Coronagraph Roll 2 (Obs 102) of JWST Draft Proposal (Obs 102)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(101)	CPD-72-2713	RA: 22 42 49.2463 (340.7051929d)	Proper Motion RA: 94.854 mas/yr	
		Dec: -71 42 22.01 (-71.70611d)	Proper Motion Dec: -52.384 mas/yr	
		Equinox: J2000	Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K dwarfs]

Acquisition

#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID
1	SAME	F335M	BRIGHT (ND Square)	DEEP2	65	1	1	64.358	146051.3

Template

Module	Occulting Mask	Obtain Astrometric Confirmation Images?	Subarray	Dither Pattern
A	MASK335R	true	SUB320A335R	NONE

Confirmation

#	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time	Conf. Total Dithers
1	RAPID	3	2	2	75.157	1

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	Optional ETC ID
1	F210M	F444W	DEEP8	7	5	1	5	689.633	

PSF References	CPD 72 2713 PSF NIRCam Coronagraph (Obs 103) of JWST Draft Proposal (Obs 103) (PSF Reference; Filters [F210M/F444W]) Additional Justification: false
Special Requirements	Offset -0.006 arcsec, -0.012 arcsec No Parallel Attachments Group Observations 101, 102, 103, Non-interruptible Aperture PA Offset 102 from 101 by 9 to 14 Degrees (Same offsets in V3)

Observation

Proposal 6012, Observation 103: CPD 72 2713 PSF NIRCam Coronagraph (Obs 103) of JWST Draft Proposal

Thu Aug 28 15:00:11 GMT 2025

Diagnostic Status: Warning

Observing Template: NIRCam Coronagraphic Imaging

Diagnostics

(CPD 72 2713 PSF NIRCam Coronagraph (Obs 103) of JWST Draft Proposal (Obs 103)) Warning (Form): Specified offset will be added to offset from Coronagraphic Offsets file in the SOC PRD

(Visit 103:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(102)	CPD-72-2713-PSF	RA: 22 15 17.1612 (333.8215050d)	Proper Motion RA: 31.583 mas/yr	
		Dec: -70 39 11.65 (-70.65324d)	Proper Motion Dec: -51.922 mas/yr	
		Equinox: J2000	Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K giants]

Acquisition

#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID
1	SAME	F335M	BRIGHT (ND Square)	MEDIUM2	65	1	1	32.255	146051.19

Template

Module	Occulting Mask	Obtain Astrometric Confirmation Images?	Subarray	Dither Pattern
A	MASK335R	true	SUB320A335R	5-POINT-BOX

Confirmation

#	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time	Conf. Total Dithers
1	RAPID	3	2	2	75.157	1

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	Optional ETC ID
1	F210M	F444W	SHALLOW4	7	6	5	30	1123.106	

PSF References	PSF Reference: true
Special Requirements	Offset -0.006 arcsec, -0.012 arcsec No Parallel Attachments Group Observations 101, 102, 103, Non-interruptible

Observation

Proposal 6012, Observation 144: HD 111631 NIRCam Imaging Roll 1 Thu Aug 28 15:00:11 GMT 2025

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Diagnostics

(Visit 144:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

(HD 111631 NIRCam Imaging Roll 1 (Obs 144)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(103)	HD-111631	RA: 12 50 43.5360 (192.6814000d) Dec: -00 46 11.42 (-.76984d) Equinox: J2000	Proper Motion RA: -0.001991579769489764 sec of time/yr Proper Motion Dec: -0.3970020000679142 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[M dwarfs]

Template

Module	Subarray
B	FULLP

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		STANDARD		5

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
1	F210M	F480M	RAPID	3	5	25	5	1019.993	

Special Requirements

Offset -12.4736 arcsec, -10.7338 arcsec

Sequence Observations 144, 145, Non-interruptible
Aperture PA Offset 144 from 145 by 9 to 14 Degrees (Same offsets in V3)

Observation

Proposal 6012, Observation 145: HD 111631 NIRCam Imaging Roll 2

Thu Aug 28 15:00:11 GMT 2025

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Diagnostics

(Visit 145:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

(HD 111631 NIRCam Imaging Roll 2 (Obs 145)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(103)	HD-111631	RA: 12 50 43.5360 (192.6814000d) Dec: -00 46 11.42 (-.76984d) Equinox: J2000	Proper Motion RA: -0.001991579769489764 sec of time/yr Proper Motion Dec: -0.3970020000679142 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[M dwarfs]

Template

Module	Subarray
B	FULLP

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		STANDARD		5

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
1	F210M	F480M	RAPID	3	5	25	5	1019.993	

Special Requirements

Offset -12.4736 arcsec, -10.7338 arcsec
Persistence Risk

152 After 145 by 6 Hours to 2 Days, Exclusive Use Of Instrument
Sequence Observations 144, 145, Non-interruptible
Aperture PA Offset 144 from 145 by 9 to 14 Degrees (Same offsets in V3)

Observation

Proposal 6012, Observation 152: Residual Persistence Check

Thu Aug 28 15:00:11 GMT 2025

Diagnostic Status: Warning

Observing Template: NIRCam Dark

Diagnostics

(Visit 152:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Template

Module	Subarray	Science Template	Occulting Mask	No. of Output Channels
B	FULL	Imaging		4

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Integrations	Total Exposure Time	Optional ETC ID
1	MEDIUM8	10	1	1	1	1052.203	

Special Requirements

152 After 145 by 6 Hours to 2 Days, Exclusive Use Of Instrument

Observation

Proposal 6012, Observation 146: HD 128311 NIRCam Imaging Roll1

Thu Aug 28 15:00:11 GMT 2025

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Diagnostics

(Visit 146:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

(HD 128311 NIRCam Imaging Roll1 (Obs 146)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(105)	HD-128311	RA: 14 36 0.7750 (219.0032292d) Dec: +09 44 43.57 (9.74544d) Equinox: J2000	Proper Motion RA: 0.013854121295578704 sec of time/yr Proper Motion Dec: -0.2504570000610329 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K dwarfs]

Template

Module	Subarray
B	FULLP

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		STANDARD		5

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
1	F210M	F480M	BRIGHT1	4	8	40	5	3382.083	
2	F210M	F480M	BRIGHT1	4	8	40	5	3382.083	

Special Requirements

Offset -12.4736 arcsec, -10.7338 arcsec

Sequence Observations 146, 147, Non-interruptible
Aperture PA Offset 146 from 147 by 9 to 14 Degrees (Same offsets in V3)

Observation

Proposal 6012, Observation 147: HD 128311 NIRCam Imaging Roll 2

Thu Aug 28 15:00:11 GMT 2025

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Diagnostics

(Visit 147:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

(HD 128311 NIRCam Imaging Roll 2 (Obs 147)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(105)	HD-128311	RA: 14 36 0.7750 (219.0032292d) Dec: +09 44 43.57 (9.74544d) Equinox: J2000	Proper Motion RA: 0.013854121295578704 sec of time/yr Proper Motion Dec: -0.2504570000610329 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K dwarfs]

Template

Module	Subarray
B	FULLP

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		STANDARD		5

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
1	F210M	F480M	BRIGHT1	4	8	40	5	3382.083	
2	F210M	F480M	BRIGHT1	4	8	40	5	3382.083	

Special Requirements

Offset -12.4736 arcsec, -10.7338 arcsec
Persistence Risk

153 After 147 by 6 Hours to 2 Days, Exclusive Use Of Instrument
Sequence Observations 146, 147, Non-interruptible
Aperture PA Offset 146 from 147 by 9 to 14 Degrees (Same offsets in V3)

Observation

Proposal 6012, Observation 153: Residual Persistence Check

Thu Aug 28 15:00:11 GMT 2025

Diagnostic Status: Warning

Observing Template: NIRCam Dark

Diagnostics

(Visit 153:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Template

Module	Subarray	Science Template	Occulting Mask	No. of Output Channels
B	FULL	Imaging		4

Spectral Elements

#	Readout Pattern	Groups/Int	Integrations/Exp	Exposures/Dith	Total Integrations	Total Exposure Time	Optional ETC ID
1	MEDIUM8	10	1	1	1	1052.203	

Special Requirements

153 After 147 by 6 Hours to 2 Days, Exclusive Use Of Instrument

Observation

Proposal 6012, Observation 148: HD 22049 NIRCam Imaging Roll1 - Offset 1

Thu Aug 28 15:00:11 GMT 2025

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Diagnostics

(Visit 148:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

(HD 22049 NIRCam Imaging Roll1 - Offset 1 (Obs 148)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(107)	HD-22049	RA: 03 32 54.8234 (53.2284308d) Dec: -09 27 29.42 (-9.45817d) Equinox: J2000	Proper Motion RA: -0.06587944287289667 sec of time/yr Proper Motion Dec: 0.020876000000000002 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K dwarfs]

Template

Module	Subarray
B	FULL

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		SMALL-GRID-DITHER		5

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
1	F210M	F480M	RAPID	10	4	20	5	2308.406	

Special Requirements

Offset -64.39 arcsec, -34.3 arcsec

Group Observations 148, 149, 154, 155, Non-interruptible
Aperture PA Offset 149 from 148 by 9 to 14 Degrees (Same offsets in V3)

Observation

Proposal 6012, Observation 149: HD 22049 NIRCam Imaging Roll 2 - Offset 1

Thu Aug 28 15:00:11 GMT 2025

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Diagnostics

(Visit 149:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

(HD 22049 NIRCam Imaging Roll 2 - Offset 1 (Obs 149)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(107)	HD-22049	RA: 03 32 54.8234 (53.2284308d) Dec: -09 27 29.42 (-9.45817d) Equinox: J2000	Proper Motion RA: -0.06587944287289667 sec of time/yr Proper Motion Dec: 0.020876000000000002 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K dwarfs]

Template

Module	Subarray
B	FULL

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		SMALL-GRID-DITHER		5

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
1	F210M	F480M	RAPID	10	4	20	5	2308.406	

Special Requirements

Offset -64.39 arcsec, -34.3 arcsec

Group Observations 148, 149, 154, 155, Non-interruptible
Aperture PA Offset 149 from 148 by 9 to 14 Degrees (Same offsets in V3)

Observation

Proposal 6012, Observation 154: HD 22049 NIRCam Imaging Roll1 - Offset 2

Thu Aug 28 15:00:11 GMT 2025

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Diagnostics

(Visit 154:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

(HD 22049 NIRCam Imaging Roll1 - Offset 2 (Obs 154)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(107)	HD-22049	RA: 03 32 54.8234 (53.2284308d) Dec: -09 27 29.42 (-9.45817d) Equinox: J2000	Proper Motion RA: -0.06587944287289667 sec of time/yr Proper Motion Dec: 0.020876000000000002 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K dwarfs]

Template

Module	Subarray
B	FULL

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		SMALL-GRID-DITHER		5

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
1	F210M	F480M	RAPID	10	4	20	5	2308.406	

Special Requirements

Offset 74.2 arcsec, -34.3 arcsec

Group Observations 148, 149, 154, 155, Non-interruptible
Aperture PA Offset 155 from 154 by 9 to 14 Degrees (Same offsets in V3)

Observation

Proposal 6012, Observation 155: HD 22049 NIRCam Imaging Roll 2 - Offset 2

Thu Aug 28 15:00:11 GMT 2025

Diagnostic Status: Warning

Observing Template: NIRCam Imaging

Diagnostics

(Visit 155:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

(HD 22049 NIRCam Imaging Roll 2 - Offset 2 (Obs 155)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(107)	HD-22049	RA: 03 32 54.8234 (53.2284308d) Dec: -09 27 29.42 (-9.45817d) Equinox: J2000	Proper Motion RA: -0.06587944287289667 sec of time/yr Proper Motion Dec: 0.020876000000000002 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K dwarfs]

Template

Module	Subarray
B	FULL

Dithers

#	Primary Dither Type	Primary Dithers	Subpixel Dither Type	Dither Size	Subpixel Positions
1	NONE		SMALL-GRID-DITHER		5

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Dithers	Total Exposure Time	Optional ETC ID
1	F210M	F480M	RAPID	10	4	20	5	2308.406	

Special Requirements

Offset 74.2 arcsec, -34.3 arcsec

Group Observations 148, 149, 154, 155, Non-interruptible
Aperture PA Offset 155 from 154 by 9 to 14 Degrees (Same offsets in V3)

Observation

Proposal 6012, Observation 113: HD 3670 NIRCam Coronagraph Roll 1 (Obs 113) of JWST Proposal Thu Aug 28 15:00:11 GMT 2025

Diagnostic Status: Warning

Observing Template: NIRCam Coronagraphic Imaging

Diagnostics

(HD 3670 NIRCam Coronagraph Roll 1 (Obs 113) of JWST Proposal (Obs 113)) Warning (Form): Specified offset will be added to offset from Coronagraphic Offsets file in the SOC PRD

(Visit 113:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

(HD 3670 NIRCam Coronagraph Roll 1 (Obs 113) of JWST Proposal (Obs 113)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(109)	HD-3670	RA: 00 38 56.8086 (9.7367025d) Dec: -52 32 3.81 (-52.53439d) Equinox: J2000	Proper Motion RA: 62.158 mas/yr Proper Motion Dec: -27.276 mas/yr Parallax: 0.0129756" Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[F dwarfs]

Acquisition

#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID
1	SAME	F335M	BRIGHT (ND Square)	DEEP2	65	1	1	64.358	146051.7

Template

Module	Occulting Mask	Obtain Astrometric Confirmation Images?	Subarray	Dither Pattern
A	MASK335R	true	SUB320A335R	NONE

Confirmation

#	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time	Conf. Total Dithers
1	RAPID	3	2	2	75.157	1

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	Optional ETC ID
1	F210M	F444W	DEEP8	6	6	1	6	699.275	

PSF References	HD 3670 PSF NIRCam Coronagraph (Obs 115) of JWST Proposal (Obs 115) (PSF Reference; Filters [F210M/F444W]) Additional Justification: false
Special Requirements	Offset -0.006 arcsec, -0.012 arcsec No Parallel Attachments Group Observations 113, 114, 115, Non-interruptible Aperture PA Offset 114 from 113 by 9 to 14 Degrees (Same offsets in V3)

Observation

Proposal 6012, Observation 114: HD 3670 NIRCam Coronagraph Roll 2 (Obs 114) of JWST Proposal Thu Aug 28 15:00:11 GMT 2025

Diagnostic Status: Warning

Observing Template: NIRCam Coronagraphic Imaging

Diagnostics

(HD 3670 NIRCam Coronagraph Roll 2 (Obs 114) of JWST Proposal (Obs 114)) Warning (Form): Specified offset will be added to offset from Coronagraphic Offsets file in the SOC PRD

(Visit 114:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

(HD 3670 NIRCam Coronagraph Roll 2 (Obs 114) of JWST Proposal (Obs 114)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(109)	HD-3670	RA: 00 38 56.8086 (9.7367025d) Dec: -52 32 3.81 (-52.53439d) Equinox: J2000	Proper Motion RA: 62.158 mas/yr Proper Motion Dec: -27.276 mas/yr Parallax: 0.0129756" Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[F dwarfs]

Acquisition

#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID
1	SAME	F335M	BRIGHT (ND Square)	DEEP2	65	1	1	64.358	146051.7

Template

Module	Occulting Mask	Obtain Astrometric Confirmation Images?	Subarray	Dither Pattern
A	MASK335R	true	SUB320A335R	NONE

Confirmation

#	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time	Conf. Total Dithers
1	RAPID	3	2	2	75.157	1

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	Optional ETC ID
1	F210M	F444W	DEEP8	6	6	1	6	699.275	

PSF References	HD 3670 PSF NIRCam Coronagraph (Obs 115) of JWST Proposal (Obs 115) (PSF Reference; Filters [F210M/F444W]) Additional Justification: false
Special Requirements	Offset -0.006 arcsec, -0.012 arcsec No Parallel Attachments Group Observations 113, 114, 115, Non-interruptible Aperture PA Offset 114 from 113 by 9 to 14 Degrees (Same offsets in V3)

Observation

Proposal 6012, Observation 115: HD 3670 PSF NIRCam Coronagraph (Obs 115) of JWST Proposal

Thu Aug 28 15:00:11 GMT 2025

Diagnostic Status: Warning

Observing Template: NIRCam Coronagraphic Imaging

Diagnostics

(HD 3670 PSF NIRCam Coronagraph (Obs 115) of JWST Proposal (Obs 115)) Warning (Form): Specified offset will be added to offset from Coronagraphic Offsets file in the SOC PRD

(Visit 115:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(110)	HD-3670-PSF	RA: 00 35 41.2473 (8.9218637d) Dec: -48 00 4.84 (-48.00134d) Equinox: J2000	Proper Motion RA: 46.542 mas/yr Proper Motion Dec: -101.536 mas/yr Parallax: 0.0284456" Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[F dwarfs]

Acquisition

#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID
1	SAME	F335M	BRIGHT (ND Square)	MEDIUM2	65	1	1	32.255	146051.22

Template

Module	Occulting Mask	Obtain Astrometric Confirmation Images?	Subarray	Dither Pattern
A	MASK335R	true	SUB320A335R	5-POINT-BOX

Confirmation

#	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time	Conf. Total Dithers
1	RAPID	3	2	2	75.157	1

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	Optional ETC ID
1	F210M	F444W	BRIGHT2	8	12	5	60	1091.65	

PSF References	PSF Reference: true
Special Requirements	Offset -0.006 arcsec, -0.012 arcsec No Parallel Attachments Group Observations 113, 114, 115, Non-interruptible

Observation

Proposal 6012, Observation 116: HD 10008 NIRCam Coronagraph Roll 1 (Obs 116) of JWST Proposal

Thu Aug 28 15:00:11 GMT 2025

Diagnostic Status: Warning

Observing Template: NIRCam Coronagraphic Imaging

Diagnostics

(HD 10008 NIRCam Coronagraph Roll 1 (Obs 116) of JWST Proposal (Obs 116)) Warning (Form): Specified offset will be added to offset from Coronagraphic Offsets file in the SOC PRD

(Visit 116:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

(HD 10008 NIRCam Coronagraph Roll 1 (Obs 116) of JWST Proposal (Obs 116)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(111)	HD-10008	RA: 01 37 35.6455 (24.3985229d) Dec: -06 45 39.05 (-6.76085d) Equinox: J2000	Proper Motion RA: 0.011533401122186397 sec of time/yr Proper Motion Dec: -0.09814499999265536 arcsec/yr Parallax: 0.0415636" Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K dwarfs]

Acquisition

#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID
1	SAME	F335M	BRIGHT (ND Square)	DEEP2	65	1	1	64.358	146051.8

Template

Module	Occulting Mask	Obtain Astrometric Confirmation Images?	Subarray	Dither Pattern
A	MASK335R	true	SUB320A335R	NONE

Confirmation

#	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time	Conf. Total Dithers
1	RAPID	3	2	2	75.157	1

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	Optional ETC ID
1	F210M	F444W	SHALLOW4	6	5	1	5	160.458	

PSF References	HD 10008 PSF NIRCam Coronagraphh (Obs 118) of JWST Proposal (Obs 118) (PSF Reference; Filters [F210M/F444W]) Additional Justification: false
Special Requirements	Offset -0.006 arcsec, -0.012 arcsec No Parallel Attachments Group Observations 116, 117, 118, Non-interruptible Aperture PA Offset 117 from 116 by 9 to 14 Degrees (Same offsets in V3)

Observation

Proposal 6012, Observation 117: HD 10008 NIRCam Coronagraph Roll 2 (Obs 117) of JWST Proposal

Thu Aug 28 15:00:11 GMT 2025

Diagnostic Status: Warning

Observing Template: NIRCam Coronagraphic Imaging

Diagnostics

(HD 10008 NIRCam Coronagraph Roll 2 (Obs 117) of JWST Proposal (Obs 117)) Warning (Form): Specified offset will be added to offset from Coronagraphic Offsets file in the SOC PRD

(Visit 117:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

(HD 10008 NIRCam Coronagraph Roll 2 (Obs 117) of JWST Proposal (Obs 117)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(111)	HD-10008	RA: 01 37 35.6455 (24.3985229d) Dec: -06 45 39.05 (-6.76085d) Equinox: J2000	Proper Motion RA: 0.011533401122186397 sec of time/yr Proper Motion Dec: -0.09814499999265536 arcsec/yr Parallax: 0.0415636" Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[K dwarfs]

Acquisition

#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID
1	SAME	F335M	BRIGHT (ND Square)	DEEP2	65	1	1	64.358	146051.8

Template

Module	Occulting Mask	Obtain Astrometric Confirmation Images?	Subarray	Dither Pattern
A	MASK335R	true	SUB320A335R	NONE

Confirmation

#	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time	Conf. Total Dithers
1	RAPID	3	2	2	75.157	1

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	Optional ETC ID
1	F210M	F444W	SHALLOW4	6	5	1	5	160.458	

PSF References	HD 10008 PSF NIRCam Coronagraphh (Obs 118) of JWST Proposal (Obs 118) (PSF Reference; Filters [F210M/F444W]) Additional Justification: false
Special Requirements	Offset -0.006 arcsec, -0.012 arcsec No Parallel Attachments Group Observations 116, 117, 118, Non-interruptible Aperture PA Offset 117 from 116 by 9 to 14 Degrees (Same offsets in V3)

Observation

Proposal 6012, Observation 118: HD 10008 PSF NIRCam Coronagraphh (Obs 118) of JWST Proposal

Thu Aug 28 15:00:11 GMT 2025

Diagnostic Status: Warning

Observing Template: NIRCam Coronagraphic Imaging

Diagnostics

(HD 10008 PSF NIRCam Coronagraphh (Obs 118) of JWST Proposal (Obs 118)) Warning (Form): Specified offset will be added to offset from Coronagraphic Offsets file in the SOC PRD

(Visit 118:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(130)	HD-10008-PSF-v2	RA: 01 05 25.4452 (16.3560217d) Dec: -12 54 12.09 (-12.90336d) Equinox: J2000	Proper Motion RA: 63.105999999999995 mas/yr Proper Motion Dec: 50.078 mas/yr Parallax: 0.004149600000000001" Epoch of Position: 2000	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.
Category=Star
Description=[G dwarfs]
Extended=NO

Acquisition

#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID
1	SAME	F335M	BRIGHT (ND Square)	DEEP2	65	1	1	64.358	146051.23

Template

Module	Occulting Mask	Obtain Astrometric Confirmation Images?	Subarray	Dither Pattern
A	MASK335R	true	SUB320A335R	5-POINT-BOX

Confirmation

#	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time	Conf. Total Dithers
1	RAPID	3	2	2	75.157	1

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	Optional ETC ID
1	F210M	F444W	SHALLOW4	6	5	5	25	802.292	

PSF References	PSF Reference: true
Special Requirements	Offset -0.006 arcsec, -0.012 arcsec No Parallel Attachments Group Observations 116, 117, 118, Non-interruptible

Observation

Proposal 6012, Observation 119: HD 113556 NIRCam Coronagraph Roll 1 (Obs 119) of JWST Proposal

Thu Aug 28 15:00:11 GMT 2025

Diagnostic Status: Warning

Observing Template: NIRCam Coronagraphic Imaging

Diagnostics

(Visit 119:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

(HD 113556 NIRCam Coronagraph Roll 1 (Obs 119) of JWST Proposal (Obs 119)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(113)	HD-113556	RA: 13 05 32.5254 (196.3855225d)	Proper Motion RA: -39.615 mas/yr	
		Dec: -58 32 8.22 (-58.53562d)	Proper Motion Dec: -16.628 mas/yr	
		Equinox: J2000	Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[F dwarfs]

Acquisition

#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID
1	SAME	F335M	FAINT	RAPID	17	1	1	0.905	146051.9

Template

Module	Occulting Mask	Obtain Astrometric Confirmation Images?	Subarray	Dither Pattern
A	MASK335R	true	SUB320A335R	NONE

Confirmation

#	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time	Conf. Total Dithers
1	RAPID	3	2	2	75.157	1

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	Optional ETC ID
1	F210M	F444W	MEDIUM8	4	10	1	10	417.13	

PSF References	HD 113556 PSF NIRCam Coronagraph (Obs 121) of JWST Proposal (Obs 121) (PSF Reference; Filters [F210M/F444W]) Additional Justification: false
Special Requirements	No Parallel Attachments Group Observations 119, 120, 121, Non-interruptible Aperture PA Offset 120 from 119 by 9 to 14 Degrees (Same offsets in V3)

Observation

Proposal 6012, Observation 120: HD 113556 NIRCam Coronagraph Roll 2 (Obs 120) of JWST Proposal

Thu Aug 28 15:00:11 GMT 2025

Diagnostic Status: Warning

Observing Template: NIRCam Coronagraphic Imaging

Diagnostics

(Visit 120:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

(HD 113556 NIRCam Coronagraph Roll 2 (Obs 120) of JWST Proposal (Obs 120)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(113)	HD-113556	RA: 13 05 32.5254 (196.3855225d)	Proper Motion RA: -39.615 mas/yr	
		Dec: -58 32 8.22 (-58.53562d)	Proper Motion Dec: -16.628 mas/yr	
		Equinox: J2000	Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[F dwarfs]

Acquisition

#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID
1	SAME	F335M	FAINT	RAPID	17	1	1	0.905	146051.9

Template

Module	Occulting Mask	Obtain Astrometric Confirmation Images?	Subarray	Dither Pattern
A	MASK335R	true	SUB320A335R	NONE

Confirmation

#	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time	Conf. Total Dithers
1	RAPID	3	2	2	75.157	1

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	Optional ETC ID
1	F210M	F444W	MEDIUM8	4	10	1	10	417.13	

PSF References	HD 113556 PSF NIRCam Coronagraph (Obs 121) of JWST Proposal (Obs 121) (PSF Reference; Filters [F210M/F444W]) Additional Justification: false
Special Requirements	No Parallel Attachments Group Observations 119, 120, 121, Non-interruptible Aperture PA Offset 120 from 119 by 9 to 14 Degrees (Same offsets in V3)

Observation

Proposal 6012, Observation 121: HD 113556 PSF NIRCam Coronagraph (Obs 121) of JWST Proposal

Thu Aug 28 15:00:11 GMT 2025

Diagnostic Status: Warning

Observing Template: NIRCam Coronagraphic Imaging

Diagnostics

(Visit 121:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(132)	HD-113556-PSF_V2	RA: 12 11 58.8281 (182.9951171d) Dec: -50 46 12.53 (-50.77015d) Equinox: J2000	Proper Motion RA: -34.992 mas/yr Proper Motion Dec: -10.983999936797773 mas/yr Parallax: 0.0089855" Epoch of Position: 2000	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.
Category=Star
Description=[F stars]

Acquisition

#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID
1	SAME	F335M	FAINT	RAPID	5	1	1	0.304	146051.24

Template

Module	Occulting Mask	Obtain Astrometric Confirmation Images?	Subarray	Dither Pattern
A	MASK335R	true	SUB320A335R	5-POINT-DIAMOND

Confirmation

#	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time	Conf. Total Dithers
1	RAPID	3	2	2	75.157	1

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	Optional ETC ID
1	F210M	F444W	MEDIUM8	4	5	5	25	1042.826	

PSF References	PSF Reference: true
Special Requirements	No Parallel Attachments Group Observations 119, 120, 121, Non-interruptible

Observation

Proposal 6012, Observation 122: HD 13246 NIRCam Coronagraph Roll 1 (Obs 122) of JWST Proposal

Thu Aug 28 15:00:11 GMT 2025

Diagnostic Status: Warning

Observing Template: NIRCam Coronagraphic Imaging

Diagnostics

(HD 13246 NIRCam Coronagraph Roll 1 (Obs 122) of JWST Proposal (Obs 122)) Warning (Form): Specified offset will be added to offset from Coronagraphic Offsets file in the SOC PRD

(Visit 122:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

(HD 13246 NIRCam Coronagraph Roll 1 (Obs 122) of JWST Proposal (Obs 122)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(115)	HD-13246	RA: 02 07 26.3148 (31.8596450d)	Proper Motion RA: 92.683 mas/yr	
		Dec: -59 40 46.23 (-59.67951d)	Proper Motion Dec: -18.401 mas/yr	
		Equinox: J2000	Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[F dwarfs]

Acquisition

#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID
1	SAME	F335M	BRIGHT (ND Square)	DEEP2	65	1	1	64.358	146051.10

Template

Module	Occulting Mask	Obtain Astrometric Confirmation Images?	Subarray	Dither Pattern
A	MASK335R	true	SUB320A335R	NONE

Confirmation

#	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time	Conf. Total Dithers
1	RAPID	3	2	2	75.157	1

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	Optional ETC ID
1	F210M	F444W	MEDIUM8	10	20	1	20	2117.109	

PSF References	HD 13246 NIRCam PSF Coronagraph (Obs 124) of JWST Proposal (Obs 124) (PSF Reference; Filters [F210M/F444W]) Additional Justification: false
Special Requirements	Offset -0.006 arcsec, -0.012 arcsec No Parallel Attachments Group Observations 122, 123, 124, 128, 129, Non-interruptible Aperture PA Offset 123 from 122 by 9 to 13 Degrees (Same offsets in V3)

Observation

Proposal 6012, Observation 123: HD 13246 NIRCam Coronagraph Roll 2 (Obs 123) of JWST Proposal

Thu Aug 28 15:00:11 GMT 2025

Diagnostic Status: Warning

Observing Template: NIRCam Coronagraphic Imaging

Diagnostics

(HD 13246 NIRCam Coronagraph Roll 2 (Obs 123) of JWST Proposal (Obs 123)) Warning (Form): Specified offset will be added to offset from Coronagraphic Offsets file in the SOC PRD

(Visit 123:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

(HD 13246 NIRCam Coronagraph Roll 2 (Obs 123) of JWST Proposal (Obs 123)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(115)	HD-13246	RA: 02 07 26.3148 (31.8596450d) Dec: -59 40 46.23 (-59.67951d) Equinox: J2000	Proper Motion RA: 92.683 mas/yr Proper Motion Dec: -18.401 mas/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[F dwarfs]

Acquisition

#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID
1	SAME	F335M	BRIGHT (ND Square)	DEEP2	65	1	1	64.358	146051.10

Template

Module	Occulting Mask	Obtain Astrometric Confirmation Images?	Subarray	Dither Pattern
A	MASK335R	true	SUB320A335R	NONE

Confirmation

#	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time	Conf. Total Dithers
1	RAPID	3	2	2	75.157	1

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	Optional ETC ID
1	F210M	F444W	MEDIUM8	10	20	1	20	2117.109	

PSF References	HD 13246 NIRCam PSF Coronagraph (Obs 124) of JWST Proposal (Obs 124) (PSF Reference; Filters [F210M/F444W]) Additional Justification: false
Special Requirements	Offset -0.006 arcsec, -0.012 arcsec No Parallel Attachments Group Observations 122, 123, 124, 128, 129, Non-interruptible Aperture PA Offset 123 from 122 by 9 to 13 Degrees (Same offsets in V3)

Observation

Proposal 6012, Observation 124: HD 13246 NIRCam PSF Coronagraph (Obs 124) of JWST Proposal

Thu Aug 28 15:00:11 GMT 2025

Diagnostic Status: Warning

Observing Template: NIRCam Coronagraphic Imaging

Diagnostics

(HD 13246 NIRCam PSF Coronagraph (Obs 124) of JWST Proposal (Obs 124)) Warning (Form): Specified offset will be added to offset from Coronagraphic Offsets file in the SOC PRD

(Visit 124:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(129)	HD13246-and-HD10472-PSF	RA: 02 16 30.5861 (34.1274421d) Dec: -51 30 43.79 (-51.51216d) Equinox: J2000	Proper Motion RA: 91.975 mas/yr Proper Motion Dec: -22.503 mas/yr Parallax: 0.0216862" Epoch of Position: 2000	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.
Category=Star
Description=[B stars]

Acquisition

#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID
1	SAME	F335M	BRIGHT (ND Square)	SHALLOW2	65	1	1	16.204	146051.25

Template

Module	Occulting Mask	Obtain Astrometric Confirmation Images?	Subarray	Dither Pattern
A	MASK335R	true	SUB320A335R	5-POINT-BOX

Confirmation

#	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time	Conf. Total Dithers
1	RAPID	3	2	2	75.157	1

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	Optional ETC ID
1	F210M	F444W	RAPID	10	12	5	60	706.795	

PSF References	PSF Reference: true
Special Requirements	Offset -0.006 arcsec, -0.012 arcsec No Parallel Attachments Group Observations 122, 123, 124, 128, 129, Non-interruptible

Observation

Proposal 6012, Observation 125: HD 30447 NIRCam Coronagraph Roll 1 (Obs 125) of JWST Proposal

Thu Aug 28 15:00:11 GMT 2025

Diagnostic Status: Warning

Observing Template: NIRCam Coronagraphic Imaging

Diagnostics

(HD 30447 NIRCam Coronagraph Roll 1 (Obs 125) of JWST Proposal (Obs 125)) Warning (Form): Specified offset will be added to offset from Coronagraphic Offsets file in the SOC PRD

(Visit 125:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

(HD 30447 NIRCam Coronagraph Roll 1 (Obs 125) of JWST Proposal (Obs 125)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(117)	HD-30447	RA: 04 46 49.5675 (71.7065312d) Dec: -26 18 8.93 (-26.30248d) Equinox: J2000	Proper Motion RA: 0.002508438921108025 sec of time/yr Proper Motion Dec: -0.005071999908068392 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[F dwarfs]

Acquisition

#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID
1	SAME	F335M	BRIGHT (ND Square)	SHALLOW4	17	1	1	4.266	230139.1

Template

Module	Occulting Mask	Obtain Astrometric Confirmation Images?	Subarray	Dither Pattern
A	MASK335R	true	SUB320A335R	NONE

Confirmation

#	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time	Conf. Total Dithers
1	RAPID	3	2	2	75.157	1

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	Optional ETC ID
1	F210M	F444W	DEEP8	19	1	1	1	394.496	

PSF References	HD 30447 PSF NIRCam Coronagraph (Obs 127) of JWST Proposal (Obs 127) (PSF Reference; Filters [F210M/F444W]) Additional Justification: false
Special Requirements	Offset -0.006 arcsec, -0.012 arcsec No Parallel Attachments Group Observations 125, 126, 127, Non-interruptible Aperture PA Offset 126 from 125 by 9 to 13 Degrees (Same offsets in V3)

Observation

Proposal 6012, Observation 126: HD 30447 NIRCam Coronagraph Roll 2 (Obs 126) of JWST Proposal

Thu Aug 28 15:00:11 GMT 2025

Diagnostic Status: Warning

Observing Template: NIRCam Coronagraphic Imaging

Diagnostics

(HD 30447 NIRCam Coronagraph Roll 2 (Obs 126) of JWST Proposal (Obs 126)) Warning (Form): Specified offset will be added to offset from Coronagraphic Offsets file in the SOC PRD

(Visit 126:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

(HD 30447 NIRCam Coronagraph Roll 2 (Obs 126) of JWST Proposal (Obs 126)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(117)	HD-30447	RA: 04 46 49.5675 (71.7065312d) Dec: -26 18 8.93 (-26.30248d) Equinox: J2000	Proper Motion RA: 0.002508438921108025 sec of time/yr Proper Motion Dec: -0.005071999908068392 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[F dwarfs]

Acquisition

#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID
1	SAME	F335M	BRIGHT (ND Square)	SHALLOW4	17	1	1	4.266	230139.1

Template

Module	Occulting Mask	Obtain Astrometric Confirmation Images?	Subarray	Dither Pattern
A	MASK335R	true	SUB320A335R	NONE

Confirmation

#	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time	Conf. Total Dithers
1	RAPID	3	2	2	75.157	1

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	Optional ETC ID
1	F210M	F444W	DEEP8	19	1	1	1	394.496	

PSF References	HD 30447 PSF NIRCam Coronagraph (Obs 127) of JWST Proposal (Obs 127) (PSF Reference; Filters [F210M/F444W]) Additional Justification: false
Special Requirements	Offset -0.006 arcsec, -0.012 arcsec No Parallel Attachments Group Observations 125, 126, 127, Non-interruptible Aperture PA Offset 126 from 125 by 9 to 13 Degrees (Same offsets in V3)

Observation

Proposal 6012, Observation 127: HD 30447 PSF NIRCam Coronagraph (Obs 127) of JWST Proposal Thu Aug 28 15:00:11 GMT 2025

Diagnostic Status: Warning

Observing Template: NIRCam Coronagraphic Imaging

Diagnostics

(HD 30447 PSF NIRCam Coronagraph (Obs 127) of JWST Proposal (Obs 127)) Warning (Form): Specified offset will be added to offset from Coronagraphic Offsets file in the SOC PRD

(Visit 127:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(118)	HD-30447-PSF	RA: 04 35 17.7583 (68.8239929d) Dec: -24 31 58.66 (-24.53296d) Equinox: J2000	Proper Motion RA: 88.029 mas/yr Proper Motion Dec: 0.580 mas/yr Epoch of Position: 2000	

Comments:
Category=Star
Description=[F stars]

Acquisition

#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID
1	SAME	F335M	BRIGHT (ND Square)	SHALLOW2	9	1	1	2.159	230139.2

Template

Module	Occulting Mask	Obtain Astrometric Confirmation Images?	Subarray	Dither Pattern
A	MASK335R	true	SUB320A335R	9-POINT-CIRCLE

Confirmation

#	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time	Conf. Total Dithers
1	RAPID	3	2	2	75.157	1

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	Optional ETC ID
1	F210M	F444W	DEEP8	19	1	9	9	3550.466	

PSF References	PSF Reference: true
Special Requirements	Offset -0.006 arcsec, -0.012 arcsec No Parallel Attachments Group Observations 125, 126, 127, Non-interruptible

Observation

Proposal 6012, Observation 128: HD 10472 NIRCam Coronagraph Roll 1 (Obs 128) of JWST Proposal

Thu Aug 28 15:00:11 GMT 2025

Diagnostic Status: Warning

Observing Template: NIRCam Coronagraphic Imaging

Diagnostics

(HD 10472 NIRCam Coronagraph Roll 1 (Obs 128) of JWST Proposal (Obs 128)) Warning (Form): Specified offset will be added to offset from Coronagraphic Offsets file in the SOC PRD

(Visit 128:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

(HD 10472 NIRCam Coronagraph Roll 1 (Obs 128) of JWST Proposal (Obs 128)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(119)	HD-10472	RA: 01 40 24.1953 (25.1008137d)	Proper Motion RA: 60.882 mas/yr	
		Dec: -60 59 56.79 (-60.99911d)	Proper Motion Dec: -10.275 mas/yr	
		Equinox: J2000	Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[F dwarfs, F subgiants]

Acquisition

#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID
1	SAME	F335M	BRIGHT (ND Square)	DEEP2	65	1	1	64.358	146051.14

Template

Module	Occulting Mask	Obtain Astrometric Confirmation Images?	Subarray	Dither Pattern
A	MASK335R	true	SUB320A335R	NONE

Confirmation

#	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time	Conf. Total Dithers
1	RAPID	3	2	2	75.157	1

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	Optional ETC ID
1	F210M	F444W	MEDIUM8	10	20	1	20	2117.109	

PSF References	HD 13246 NIRCam PSF Coronagraph (Obs 124) of JWST Proposal (Obs 124) (PSF Reference; Filters [F210M/F444W]) Additional Justification: false
Special Requirements	Offset -0.006 arcsec, -0.012 arcsec No Parallel Attachments Group Observations 122, 123, 124, 128, 129, Non-interruptible Aperture PA Offset 129 from 128 by 9 to 14 Degrees (Same offsets in V3)

Observation

Proposal 6012, Observation 129: HD 10472 NIRCam Coronagraph Roll 2 (Obs 129) of JWST Proposal

Thu Aug 28 15:00:11 GMT 2025

Diagnostic Status: Warning

Observing Template: NIRCam Coronagraphic Imaging

Diagnostics

(HD 10472 NIRCam Coronagraph Roll 2 (Obs 129) of JWST Proposal (Obs 129)) Warning (Form): Specified offset will be added to offset from Coronagraphic Offsets file in the SOC PRD

(Visit 129:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

(HD 10472 NIRCam Coronagraph Roll 2 (Obs 129) of JWST Proposal (Obs 129)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(119)	HD-10472	RA: 01 40 24.1953 (25.1008137d)	Proper Motion RA: 60.882 mas/yr	
		Dec: -60 59 56.79 (-60.99911d)	Proper Motion Dec: -10.275 mas/yr	
		Equinox: J2000	Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[F dwarfs, F subgiants]

Acquisition

#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID
1	SAME	F335M	BRIGHT (ND Square)	DEEP2	65	1	1	64.358	146051.14

Template

Module	Occulting Mask	Obtain Astrometric Confirmation Images?	Subarray	Dither Pattern
A	MASK335R	true	SUB320A335R	NONE

Confirmation

#	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time	Conf. Total Dithers
1	RAPID	3	2	2	75.157	1

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	Optional ETC ID
1	F210M	F444W	MEDIUM8	10	20	1	20	2117.109	

PSF References	HD 13246 NIRCam PSF Coronagraph (Obs 124) of JWST Proposal (Obs 124) (PSF Reference; Filters [F210M/F444W]) Additional Justification: false
Special Requirements	Offset -0.006 arcsec, -0.012 arcsec No Parallel Attachments Group Observations 122, 123, 124, 128, 129, Non-interruptible Aperture PA Offset 129 from 128 by 9 to 14 Degrees (Same offsets in V3)

Observation

Proposal 6012, Observation 131: HD 126062 NIRCam Coronagraph Roll 1 (Obs 131) of JWST Proposal

Thu Aug 28 15:00:11 GMT 2025

Diagnostic Status: Warning

Observing Template: NIRCam Coronagraphic Imaging

Diagnostics

(Visit 131:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

(HD 126062 NIRCam Coronagraph Roll 1 (Obs 131) of JWST Proposal (Obs 131)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(120)	HD-126062	RA: 14 24 36.9640 (216.1540167d) Dec: -47 10 40.21 (-47.17784d) Equinox: J2000	Proper Motion RA: -0.002335846317444379 sec of time/yr Proper Motion Dec: -0.02231399996617256 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[A dwarfs]

Acquisition

#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID
1	SAME	F335M	FAINT	RAPID	17	1	1	0.905	146051.15

Template

Module	Occulting Mask	Obtain Astrometric Confirmation Images?	Subarray	Dither Pattern
A	MASK335R	true	SUB320A335R	NONE

Confirmation

#	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time	Conf. Total Dithers
1	RAPID	3	2	2	75.157	1

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	Optional ETC ID
1	F210M	F444W	MEDIUM2	7	10	1	10	673.7	

PSF References	HD 126062 PSF NIRCam Coronagraph (Obs 133) of JWST Proposal (Obs 133) (PSF Reference; Filters [F210M/F444W]) Additional Justification: false
Special Requirements	No Parallel Attachments Group Observations 131, 132, 133, Non-interruptible Aperture PA Offset 132 from 131 by 9 to 14 Degrees (Same offsets in V3)

Observation

Proposal 6012, Observation 132: HD 126062 NIRCam Coronagraph Roll 2 (Obs 132) of JWST Proposal

Thu Aug 28 15:00:11 GMT 2025

Diagnostic Status: Warning

Observing Template: NIRCam Coronagraphic Imaging

Diagnostics

(Visit 132:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

(HD 126062 NIRCam Coronagraph Roll 2 (Obs 132) of JWST Proposal (Obs 132)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(120)	HD-126062	RA: 14 24 36.9640 (216.1540167d) Dec: -47 10 40.21 (-47.17784d) Equinox: J2000	Proper Motion RA: -0.002335846317444379 sec of time/yr Proper Motion Dec: -0.02231399996617256 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[A dwarfs]

Acquisition

#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID
1	SAME	F335M	FAINT	RAPID	17	1	1	0.905	146051.15

Template

Module	Occulting Mask	Obtain Astrometric Confirmation Images?	Subarray	Dither Pattern
A	MASK335R	true	SUB320A335R	NONE

Confirmation

#	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time	Conf. Total Dithers
1	RAPID	3	2	2	75.157	1

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	Optional ETC ID
1	F210M	F444W	MEDIUM2	7	10	1	10	673.7	

PSF References	HD 126062 PSF NIRCam Coronagraph (Obs 133) of JWST Proposal (Obs 133) (PSF Reference; Filters [F210M/F444W]) Additional Justification: false
Special Requirements	No Parallel Attachments Group Observations 131, 132, 133, Non-interruptible Aperture PA Offset 132 from 131 by 9 to 14 Degrees (Same offsets in V3)

Observation

Proposal 6012, Observation 133: HD 126062 PSF NIRCam Coronagraph (Obs 133) of JWST Proposal

Thu Aug 28 15:00:11 GMT 2025

Diagnostic Status: Warning

Observing Template: NIRCam Coronagraphic Imaging

Diagnostics

(Visit 133:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(133)	HD-126062-PSF_V2	RA: 14 50 58.7065 (222.7446104d) Dec: -42 49 21.06 (-42.82252d) Equinox: J2000	Proper Motion RA: -20.111 mas/yr Proper Motion Dec: -23.438000084752275 mas/yr Parallax: 0.0069562" Epoch of Position: 2000	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.

SIMBAD listed proper motion for this target. When retrieving targets with PM from SIMBAD, APT requests the coordinates be calculated with an epoch of the year 2000. Do not modify this epoch. Always review coordinates using the Target Confirmation tool, which graphically displays the PM.
Category=Star
Description=[A stars]

Acquisition

#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID
1	SAME	F335M	BRIGHT (ND Square)	RAPID	65	1	1	3.313	146051.26

Template

Module	Occulting Mask	Obtain Astrometric Confirmation Images?	Subarray	Dither Pattern
A	MASK335R	true	SUB320A335R	5-POINT-DIAMOND

Confirmation

#	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time	Conf. Total Dithers
1	RAPID	3	2	2	75.157	1

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	Optional ETC ID
1	F210M	F444W	MEDIUM2	7	6	5	30	2021.1	

PSF References	PSF Reference: true
Special Requirements	No Parallel Attachments Group Observations 131, 132, 133, Non-interruptible

Observation

Proposal 6012, Observation 134: HD 145964 NIRCam Coronagraph Roll 1 (Obs 134) of JWST Proposal

Thu Aug 28 15:00:11 GMT 2025

Diagnostic Status: Warning

Observing Template: NIRCam Coronagraphic Imaging

Diagnostics

(HD 145964 NIRCam Coronagraph Roll 1 (Obs 134) of JWST Proposal (Obs 134)) Warning (Form): Specified offset will be added to offset from Coronagraphic Offsets file in the SOC PRD

(Visit 134:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

(HD 145964 NIRCam Coronagraph Roll 1 (Obs 134) of JWST Proposal (Obs 134)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(122)	HD-145964	RA: 16 14 28.8638 (243.6202658d)	Proper Motion RA: -17.114 mas/yr	
		Dec: -21 06 27.96 (-21.10777d)	Proper Motion Dec: -30.199 mas/yr	
		Equinox: J2000	Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[B dwarfs]

Acquisition

#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID
1	SAME	F335M	BRIGHT (ND Square)	DEEP2	65	1	1	64.358	146051.16

Template

Module	Occulting Mask	Obtain Astrometric Confirmation Images?	Subarray	Dither Pattern
A	MASK335R	true	SUB320A335R	NONE

Confirmation

#	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time	Conf. Total Dithers
1	RAPID	3	2	2	75.157	1

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	Optional ETC ID
1	F210M	F444W	SHALLOW4	8	8	1	8	342.257	

PSF References	HD 145964 PSF NIRCam Coronagraph (Obs 136) of JWST Proposal (Obs 136) (PSF Reference; Filters [F210M/F444W]) Additional Justification: false
Special Requirements	Offset -0.006 arcsec, -0.012 arcsec No Parallel Attachments Group Observations 134, 135, 136, Non-interruptible Aperture PA Offset 134 from 135 by 5 to 14 Degrees (Same offsets in V3)

Observation

Proposal 6012, Observation 135: HD 145964 NIRCam Coronagraph Roll 2 (Obs 135) of JWST Proposal

Thu Aug 28 15:00:11 GMT 2025

Diagnostic Status: Warning

Observing Template: NIRCam Coronagraphic Imaging

Diagnostics

(HD 145964 NIRCam Coronagraph Roll 2 (Obs 135) of JWST Proposal (Obs 135)) Warning (Form): Specified offset will be added to offset from Coronagraphic Offsets file in the SOC PRD

(Visit 135:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

(HD 145964 NIRCam Coronagraph Roll 2 (Obs 135) of JWST Proposal (Obs 135)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(122)	HD-145964	RA: 16 14 28.8638 (243.6202658d)	Proper Motion RA: -17.114 mas/yr	
		Dec: -21 06 27.96 (-21.10777d)	Proper Motion Dec: -30.199 mas/yr	
		Equinox: J2000	Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[B dwarfs]

Acquisition

#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID
1	SAME	F335M	BRIGHT (ND Square)	DEEP2	65	1	1	64.358	146051.16

Template

Module	Occulting Mask	Obtain Astrometric Confirmation Images?	Subarray	Dither Pattern
A	MASK335R	true	SUB320A335R	NONE

Confirmation

#	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time	Conf. Total Dithers
1	RAPID	3	2	2	75.157	1

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	Optional ETC ID
1	F210M	F444W	SHALLOW4	8	8	1	8	342.257	

PSF References	HD 145964 PSF NIRCam Coronagraph (Obs 136) of JWST Proposal (Obs 136) (PSF Reference; Filters [F210M/F444W]) Additional Justification: false
Special Requirements	Offset -0.006 arcsec, -0.012 arcsec No Parallel Attachments Group Observations 134, 135, 136, Non-interruptible Aperture PA Offset 134 from 135 by 5 to 14 Degrees (Same offsets in V3)

Observation

Proposal 6012, Observation 136: HD 145964 PSF NIRCam Coronagraph (Obs 136) of JWST Proposal

Thu Aug 28 15:00:11 GMT 2025

Diagnostic Status: Warning

Observing Template: NIRCam Coronagraphic Imaging

Diagnostics

(HD 145964 PSF NIRCam Coronagraph (Obs 136) of JWST Proposal (Obs 136)) Warning (Form): Specified offset will be added to offset from Coronagraphic Offsets file in the SOC PRD

(Visit 136:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(123)	HD-145964-PSF	RA: 16 27 1.4297 (246.7559571d) Dec: -18 27 22.85 (-18.45635d) Equinox: J2000	Proper Motion RA: -5.378 mas/yr Proper Motion Dec: -22.308 mas/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[B dwarfs]

Acquisition

#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID
1	SAME	F335M	BRIGHT (ND Square)	SHALLOW2	33	1	1	8.179	146051.27

Template

Module	Occulting Mask	Obtain Astrometric Confirmation Images?	Subarray	Dither Pattern
A	MASK335R	true	SUB320A335R	5-POINT-BOX

Confirmation

#	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time	Conf. Total Dithers
1	RAPID	3	2	2	75.157	1

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	Optional ETC ID
1	F210M	F444W	RAPID	8	6	5	30	289.255	

PSF References	PSF Reference: true
Special Requirements	Offset -0.006 arcsec, -0.012 arcsec No Parallel Attachments Group Observations 134, 135, 136, Non-interruptible

Observation

Proposal 6012, Observation 140: HD 38206 NIRCam Coronagraph Roll 2 (Obs 140) of JWST Proposal

Thu Aug 28 15:00:11 GMT 2025

Diagnostic Status: Warning

Observing Template: NIRCam Coronagraphic Imaging

Diagnostics

(HD 38206 NIRCam Coronagraph Roll 2 (Obs 140) of JWST Proposal (Obs 140)) Warning (Form): Specified offset will be added to offset from Coronagraphic Offsets file in the SOC PRD

(Visit 140:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

(HD 38206 NIRCam Coronagraph Roll 2 (Obs 140) of JWST Proposal (Obs 140)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(126)	HD-38206	RA: 05 43 21.6920 (85.8403833d) Dec: -18 33 27.12 (-18.55753d) Equinox: J2000	Proper Motion RA: 0.001362300061343762 sec of time/yr Proper Motion Dec: -0.013423999985207047 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[A dwarfs]

Acquisition

#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID
1	SAME	F335M	BRIGHT (ND Square)	BRIGHT1	65	1	1	6.523	146051.18

Template

Module	Occulting Mask	Obtain Astrometric Confirmation Images?	Subarray	Dither Pattern
A	MASK335R	true	SUB320A335R	NONE

Confirmation

#	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time	Conf. Total Dithers
1	RAPID	3	2	2	75.157	1

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	Optional ETC ID
1	F210M	F444W	BRIGHT2	10	20	1	20	449.406	

PSF References	HD 38206 PSF NIRCam Coronagraph (Obs 142) of JWST Proposal (Obs 142) (PSF Reference; Filters [F210M/F444W]) Additional Justification: false
Special Requirements	Offset -0.01 arcsec, -0.018 arcsec No Parallel Attachments Group Observations 140, 141, 142, Non-interruptible Aperture PA Offset 141 from 140 by 9 to 14 Degrees (Same offsets in V3)

Observation

Proposal 6012, Observation 150: HD 38206 NIRCam Coronagraph Roll 2 (Copy of Obs 140) of JWST Proposal

Thu Aug 28 15:00:11 GMT 2025

Diagnostic Status: Warning

Observing Template: NIRCam Coronagraphic Imaging

Diagnostics

(HD 38206 NIRCam Coronagraph Roll 2 (Copy of Obs 140) of JWST Proposal (Obs 150)) Warning (Form): Science observations should be linked to at least one other compatible science observation by an Aperture PA Offset of 1-14 degrees

(Visit 150:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(126)	HD-38206	RA: 05 43 21.6920 (85.8403833d) Dec: -18 33 27.12 (-18.55753d) Equinox: J2000	Proper Motion RA: 0.001362300061343762 sec of time/yr Proper Motion Dec: -0.013423999985207047 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[A dwarfs]

Acquisition

#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID
1	SAME	F335M	BRIGHT (ND Square)	BRIGHT1	65	1	1	6.523	146051.18

Template

Module	Occulting Mask	Obtain Astrometric Confirmation Images?	Subarray	Dither Pattern
A	MASK335R	true	SUB320A335R	NONE

Confirmation

#	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time	Conf. Total Dithers
1	RAPID	3	2	2	75.157	1

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	Optional ETC ID
1	F210M	F444W	BRIGHT2	10	20	1	20	449.406	

PSF References	HD 38206 PSF NIRCam Coronagraph (Copy of Obs 142) of JWST Proposal (Obs 151) (PSF Reference; Filters [F210M/F444W]) Additional Justification: false
Special Requirements	No Parallel Attachments Group Observations 150, 151, Non-interruptible

Observation

Proposal 6012, Observation 141: HD 38206 NIRCam Coronagraph Roll 1 (Obs 141) of JWST Proposal

Thu Aug 28 15:00:11 GMT 2025

Diagnostic Status: Warning

Observing Template: NIRCam Coronagraphic Imaging

Diagnostics

(HD 38206 NIRCam Coronagraph Roll 1 (Obs 141) of JWST Proposal (Obs 141)) Warning (Form): Specified offset will be added to offset from Coronagraphic Offsets file in the SOC PRD

(Visit 141:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

(HD 38206 NIRCam Coronagraph Roll 1 (Obs 141) of JWST Proposal (Obs 141)) Informational (Form): The Visit Planner and Spike may produce different schedulability results.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(126)	HD-38206	RA: 05 43 21.6920 (85.8403833d) Dec: -18 33 27.12 (-18.55753d) Equinox: J2000	Proper Motion RA: 0.001362300061343762 sec of time/yr Proper Motion Dec: -0.013423999985207047 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[A dwarfs]

Acquisition

#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID
1	SAME	F335M	BRIGHT (ND Square)	BRIGHT1	65	1	1	6.523	146051.18

Template

Module	Occulting Mask	Obtain Astrometric Confirmation Images?	Subarray	Dither Pattern
A	MASK335R	true	SUB320A335R	NONE

Confirmation

#	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time	Conf. Total Dithers
1	RAPID	3	2	2	75.157	1

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	Optional ETC ID
1	F210M	F444W	BRIGHT2	10	20	1	20	449.406	

PSF References	HD 38206 PSF NIRCam Coronagraph (Obs 142) of JWST Proposal (Obs 142) (PSF Reference; Filters [F210M/F444W]) Additional Justification: false
Special Requirements	Offset -0.01 arcsec, -0.018 arcsec No Parallel Attachments Group Observations 140, 141, 142, Non-interruptible Aperture PA Offset 141 from 140 by 9 to 14 Degrees (Same offsets in V3)

Observation

Proposal 6012, Observation 142: HD 38206 PSF NIRCam Coronagraph (Obs 142) of JWST Proposal

Thu Aug 28 15:00:11 GMT 2025

Diagnostic Status: Warning

Observing Template: NIRCam Coronagraphic Imaging

Diagnostics

(HD 38206 PSF NIRCam Coronagraph (Obs 142) of JWST Proposal (Obs 142)) Warning (Form): Specified offset will be added to offset from Coronagraphic Offsets file in the SOC PRD

(Visit 142:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(127)	HD-38206-PSF	RA: 05 01 25.6212 (75.3567550d) Dec: -20 03 7.15 (-20.05199d) Equinox: J2000	Proper Motion RA: 0.002620730322125776 sec of time/yr Proper Motion Dec: -0.015403999918817135 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[B dwarfs]

Acquisition

#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID
1	SAME	F335M	BRIGHT (ND Square)	BRIGHT1	33	1	1	3.313	146051.29

Template

Module	Occulting Mask	Obtain Astrometric Confirmation Images?	Subarray	Dither Pattern
A	MASK335R	true	SUB320A335R	5-POINT-BOX

Confirmation

#	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time	Conf. Total Dithers
1	RAPID	3	2	2	75.157	1

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	Optional ETC ID
1	F210M	F444W	BRIGHT2	10	5	5	25	561.758	

PSF References	PSF Reference: true
Special Requirements	Offset -0.01 arcsec, -0.018 arcsec No Parallel Attachments Group Observations 140, 141, 142, Non-interruptible

Observation

Proposal 6012, Observation 151: HD 38206 PSF NIRCam Coronagraph (Copy of Obs 142) of JWST Proposal

Thu Aug 28 15:00:11 GMT 2025

Diagnostic Status: Warning

Observing Template: NIRCam Coronagraphic Imaging

Diagnostics

(Visit 151:1) Warning (Form): Overheads are provisional until the Visit Planner has been run.

Fixed Targets

#	Name	Target Coordinates	Targ. Coord. Corrections	Miscellaneous
(127)	HD-38206-PSF	RA: 05 01 25.6212 (75.3567550d) Dec: -20 03 7.15 (-20.05199d) Equinox: J2000	Proper Motion RA: 0.002620730322125776 sec of time/yr Proper Motion Dec: -0.015403999918817135 arcsec/yr Epoch of Position: 2015.5	

Comments: This object was generated by the targetselector and retrieved from the SIMBAD database.
Category=Star
Description=[B dwarfs]

Acquisition

#	Target	Filter	Target Brightness	Readout Pattern	Groups/Int	Integrations/Exp	Total Integrations	Total Exposure Time	Optional ETC ID
1	SAME	F335M	BRIGHT (ND Square)	BRIGHT1	33	1	1	3.313	146051.29

Template

Module	Occulting Mask	Obtain Astrometric Confirmation Images?	Subarray	Dither Pattern
A	MASK335R	true	SUB320A335R	5-POINT-BOX

Confirmation

#	Conf. Readout Pattern	Conf. Groups/Int	Conf. Integrations/Exp	Conf. Total Integrations	Conf. Total Exposure Time	Conf. Total Dithers
1	RAPID	3	2	2	75.157	1

Spectral Elements

#	Short Filter	Long Filter	Readout Pattern	Groups/Int	Integrations/Exp	Total Dithers	Total Integrations	Total Exposure Time	Optional ETC ID
1	F210M	F444W	BRIGHT2	10	5	5	25	561.758	

PSF References	PSF Reference: true
Special Requirements	No Parallel Attachments Group Observations 150, 151, Non-interruptible